

TABLE INTERACTOME

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
MAP4	-1.7102873	-2.1282363	0.0000132	0.0000008	no hit	no hit
SEC24C	-1.3996266	-1.5440426	0.0000189	0.0000056	no hit	no hit
STRAP	-1.5509555	-1.8955412	0.0000240	0.0000019	no hit	no hit
PCBP1	-1.5867500	-1.8692164	0.0000622	0.0000089	no hit	no hit
MET	1.0225475	0.9244389	0.0000697	0.0002044	enriched hit	enriched candidate
TPT1	-1.9047844	-1.9563568	0.0000945	0.0000705	no hit	no hit
EGFR	1.4329414	1.4807718	0.0000951	0.0000662	enriched hit	enriched hit
ATXN10	-1.3980813	-1.4974015	0.0001086	0.0000509	no hit	no hit
RAB13	1.4903360	1.4399773	0.0001511	0.0002155	enriched hit	enriched hit
MAPRE1	-1.7511824	-1.9126243	0.0001529	0.0000587	no hit	no hit
FAM114A1	-1.4527281	-1.6007909	0.0001658	0.0000580	no hit	no hit
SLC30A1	1.2417693	1.1022616	0.0001735	0.0005614	enriched hit	enriched hit
LANCL1	1.0626288	0.7065839	0.0002058	0.0064983	enriched hit	enriched candidate
L1CAM	1.4784112	1.3140481	0.0002255	0.0007020	enriched hit	enriched hit
EEF1G	-1.8482329	-2.0576506	0.0002410	0.0000776	no hit	no hit
USO1	-0.9412429	-0.6719631	0.0002413	0.0044181	no hit	no hit
PDCD6	-1.8859665	-2.1370521	0.0003295	0.0000902	no hit	no hit
VPS29	-1.0191345	-0.7172935	0.0003607	0.0064704	no hit	no hit
SEC13	-1.3569496	-1.6202865	0.0003764	0.0000588	no hit	no hit
EIF4E	-0.9111330	-1.1200372	0.0004089	0.0000466	no hit	no hit
PCBP2	-1.3050835	-1.6614153	0.0004300	0.0000331	no hit	no hit
EIF2B1	-0.9708108	-1.0045364	0.0004362	0.0003131	no hit	no hit
SPCS2	1.1806362	1.1264986	0.0004516	0.0006998	enriched hit	enriched hit
SEC11A	0.9320441	0.7949083	0.0004619	0.0018796	enriched candidate	enriched candidate
NAA50	-1.2192150	-1.2449251	0.0004681	0.0003832	no hit	no hit
GNAI1	1.0962794	0.9991076	0.0005795	0.0013233	enriched hit	enriched candidate
TMEM214	1.5019694	1.4725462	0.0006800	0.0008135	enriched hit	enriched hit
COPE	-0.7396678	-1.0079993	0.0006801	0.0000264	no hit	no hit
EPHB4	0.8741008	0.9153067	0.0006809	0.0004426	enriched candidate	enriched candidate
ATXN2L	-1.2994512	-1.7866263	0.0007103	0.0000252	no hit	no hit
GNAI2	1.0018102	0.8476414	0.0008882	0.0034789	enriched hit	enriched candidate
SLC9A3R1	1.2805822	1.4100435	0.0011358	0.0004743	enriched hit	enriched hit
BZW1	-1.3116651	-1.3766574	0.0011635	0.0007590	no hit	no hit
ABCC1	0.7114526	0.7618172	0.0012429	0.0006783	enriched candidate	enriched candidate
PDCD6IP	-1.0900299	-0.8838015	0.0012865	0.0063745	no hit	no hit
RALA	1.1455485	1.3715065	0.0012948	0.0002427	enriched hit	enriched hit
ARF4	-0.7899130	-0.7036164	0.0014075	0.0035243	no hit	no hit
NPM1	0.9090801	0.8472015	0.0014406	0.0025504	enriched candidate	enriched candidate
RAB23	0.6729241	0.4513435	0.0016281	0.0232187	enriched candidate	no hit
PARVA	-0.8810579	-0.7908037	0.0016454	0.0038259	no hit	no hit
SEC23A	-1.0161021	-1.0629142	0.0018440	0.0012664	no hit	no hit
SEC31A	-1.1761229	-1.6216455	0.0018814	0.0000882	no hit	no hit
IGF1R	0.8272967	0.8199912	0.0019043	0.0020457	enriched candidate	enriched candidate
STOM	1.1804349	1.2737570	0.0019705	0.0010394	enriched hit	enriched hit
GNA13	0.9670985	1.0586222	0.0021405	0.0010034	enriched candidate	enriched hit
SYAP1	-1.2244537	-1.5291549	0.0022067	0.0003040	no hit	no hit
ATP2B1	1.0384657	1.2540792	0.0022216	0.0004250	enriched hit	enriched hit
YWHAQ	-1.1744336	-1.4219177	0.0023217	0.0004374	no hit	no hit
ATP2B4	0.7835533	0.8851383	0.0025009	0.0009042	enriched candidate	enriched candidate

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
IPO5	-1.2780783	-1.3857587	0.0026504	0.0013759	no hit	no hit
ACO1	-0.9398386	-0.9656543	0.0026515	0.0021420	no hit	no hit
TARS	-1.3090394	-1.2452180	0.0026577	0.0038755	no hit	no hit
SORD	-1.7193752	-1.3600723	0.0026600	0.0131007	no hit	no hit
AARS	-1.0898991	-1.0073615	0.0027365	0.0048995	no hit	no hit
UBAP2L	-1.7198342	-2.1402332	0.0028668	0.0004357	no hit	no hit
IL1RAP	0.7931747	0.6907412	0.0029004	0.0077324	enriched candidate	enriched candidate
ARHGDI1	-1.0157838	-1.4247269	0.0029327	0.0001345	no hit	no hit
FAM129B	1.5349159	1.5722074	0.0029940	0.0024871	enriched hit	enriched hit
RRAS2	0.8253033	0.7508358	0.0033333	0.0065344	enriched candidate	enriched candidate
SRI	-1.1956447	-1.2497933	0.0041415	0.0029779	no hit	no hit
ATP1B1	0.8745413	1.2597072	0.0041624	0.0001665	enriched candidate	enriched hit
PCNA	-1.1992113	-1.3561269	0.0041739	0.0016054	no hit	no hit
PPIA	-0.9861701	-1.0379672	0.0042413	0.0028967	no hit	no hit
CISD2	1.1989323	1.5598348	0.0043038	0.0004798	enriched candidate	enriched hit
PLIN4	-0.9154316	-1.3468834	0.0044788	0.0001483	no hit	no hit
SERPIN1	-0.9539765	-1.1727315	0.0045716	0.0008729	no hit	no hit
GNB1	0.6925947	0.5853194	0.0047082	0.0139438	enriched candidate	enriched candidate
IST1	-0.7949002	-0.5686618	0.0049541	0.0344595	no hit	no hit
PDIA3	1.0440225	1.2854647	0.0051192	0.0009913	enriched candidate	enriched hit
GNAS	0.8591344	0.9233122	0.0052333	0.0030950	enriched candidate	enriched candidate
PGLS	-1.0212386	-1.1916845	0.0054511	0.0016900	no hit	no hit
ANXA5	-1.2619308	-1.4111686	0.0056159	0.0024635	no hit	no hit
ANXA7	-1.3200992	-1.5553000	0.0061690	0.0018104	no hit	no hit
TSN	-0.8431285	-1.0572653	0.0061709	0.0010701	no hit	no hit
LYPD3	0.7343130	0.7199076	0.0067500	0.0076958	enriched candidate	enriched candidate
RHOG	0.5404821	0.4997986	0.0072035	0.0118088	no hit	no hit
TNPO1	-0.8815140	-1.0499972	0.0073774	0.0020571	no hit	no hit
JUP	0.9868617	0.8219394	0.0075067	0.0220077	enriched candidate	enriched candidate
RAC1	0.9171846	0.9021876	0.0077608	0.0086338	enriched candidate	enriched candidate
RCN1	0.7152582	1.3019973	0.0078572	0.0000349	enriched candidate	enriched hit
PDIA6	0.6981538	0.9202651	0.0079715	0.0009685	enriched candidate	enriched candidate
EEF1B2	-1.3968312	-1.7993297	0.0080297	0.0011948	no hit	no hit
EIF4G1	-1.3069674	-1.7655515	0.0080956	0.0007951	no hit	no hit
GNB4	0.7740150	0.7026174	0.0081284	0.0146772	enriched candidate	enriched candidate
HYOU1	1.0490048	1.4954338	0.0082523	0.0004974	enriched candidate	enriched hit
HSPB1	-0.8559313	-1.1778545	0.0090629	0.0007887	no hit	no hit
NDUFA4	1.2029840	2.1094055	0.0090763	0.0000690	enriched candidate	enriched hit
UBE2M	-1.2063453	-1.0476949	0.0092340	0.0209101	no hit	no hit
PRDX6	-1.1222757	-1.1227733	0.0094776	0.0094513	no hit	no hit
SRPRB	1.3048445	1.6576933	0.0096783	0.0017175	enriched candidate	enriched hit
CD55	0.7103563	0.8532823	0.0097561	0.0027128	enriched candidate	enriched candidate
GNA11	0.6994555	0.6551633	0.0104753	0.0154319	enriched candidate	enriched candidate
PHGDH	-0.8681374	-0.9620424	0.0107426	0.0054918	no hit	no hit
EIF4G2	-0.9535521	-1.4050036	0.0107689	0.0005427	no hit	no hit
PGM1	-1.1487993	-1.2298332	0.0109453	0.0070886	no hit	no hit
S100A4	-1.1564389	-1.5897264	0.0114301	0.0011082	no hit	no hit
DPP3	-1.0717803	-0.8187028	0.0115417	0.0456998	no hit	no hit
RABGGTB	-1.1020058	-1.3531511	0.0115516	0.0028302	no hit	no hit
API5	-0.8858819	-0.5529997	0.0118380	0.0977886	no hit	no hit
PPIB	0.8054460	1.2116555	0.0118508	0.0005179	enriched candidate	enriched hit
CANX	0.7625202	0.9614163	0.0118849	0.0023895	enriched candidate	enriched candidate

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
YWHAZ	-0.8795410	-1.3062261	0.0120203	0.0005970	no hit	no hit
SFN	-1.0509365	-1.3210768	0.0121962	0.0025308	no hit	no hit
NARS	-1.0583062	-1.2664898	0.0125384	0.0038066	no hit	no hit
IPO7	-1.0332833	-1.0718186	0.0125476	0.0100435	no hit	no hit
CRTAP	0.7743448	1.1324719	0.0128594	0.0007623	enriched candidate	enriched hit
PRRC1	-0.8420595	-0.9514735	0.0128906	0.0059171	no hit	no hit
GNAQ	0.6864202	0.6472779	0.0130591	0.0182277	enriched candidate	enriched candidate
TAGLN2	-0.8251559	-1.1475567	0.0133704	0.0012577	no hit	no hit
SRM	-0.9561359	-1.0658276	0.0133937	0.0067780	no hit	no hit
LTA4H	-1.0575724	-0.8715713	0.0136723	0.0371187	no hit	no hit
HARS	-0.8074889	-1.0336960	0.0137303	0.0025679	no hit	no hit
CAND1	-0.9088526	-0.3867741	0.0137839	0.2612188	no hit	no hit
FDPS	-1.0565812	-1.1397483	0.0138986	0.0087567	no hit	no hit
GSTK1	0.9017188	1.3693811	0.0139953	0.0006165	enriched candidate	enriched hit
ETFB	1.0624366	1.8921709	0.0140953	0.0001281	enriched candidate	enriched hit
LY6K	0.8385584	1.2372256	0.0142151	0.0008218	enriched candidate	enriched hit
NOMO1 NOMO3 NOMO2	0.9539389	1.3588072	0.0146567	0.0011730	enriched candidate	enriched hit
BASP1	1.9995488	2.4353819	0.0148356	0.0041320	enriched candidate	enriched hit
PRKCSH	0.6993345	0.2732514	0.0151703	0.3087731	enriched candidate	no hit
GANAB	0.7327816	0.9974384	0.0155799	0.0018765	enriched candidate	enriched candidate
COX4I1	0.9876078	1.3284838	0.0165074	0.0022412	enriched candidate	enriched hit
EIF4B	-1.6765027	-2.0360043	0.0166077	0.0048674	no hit	no hit
PLS3	0.6927140	0.6701795	0.0166470	0.0199473	enriched candidate	enriched candidate
HSPA9	1.2165599	1.9695718	0.0169997	0.0004665	enriched candidate	enriched hit
CD44	0.7504626	0.7995567	0.0172474	0.0119663	enriched candidate	enriched candidate
SLC25A5	1.0757471	1.9265948	0.0178012	0.0001863	enriched candidate	enriched hit
LDHA	-1.0940288	-1.1451179	0.0179713	0.0138860	no hit	no hit
CYP51A1	0.6923136	1.0379720	0.0183088	0.0010615	enriched candidate	enriched hit
BST2	-0.5837096	-0.8496488	0.0183943	0.0013782	no hit	no hit
SERPINB5	-1.2072295	-1.3448798	0.0187761	0.0100150	no hit	no hit
RDH11	0.9828302	1.1454376	0.0190882	0.0076554	enriched candidate	enriched hit
STEAP4	0.6904106	0.7080156	0.0192346	0.0167519	enriched candidate	enriched candidate
RAB35	0.9938404	1.3126777	0.0195449	0.0032748	enriched candidate	enriched hit
NUDT5	-1.1725917	-1.1996755	0.0196409	0.0173414	no hit	no hit
HPD	-0.8261069	-1.1001446	0.0197387	0.0031206	no hit	no hit
FH	1.0869163	1.9067402	0.0201251	0.0002889	enriched candidate	enriched hit
STX4	1.1623278	1.1191094	0.0204003	0.0248381	enriched candidate	enriched candidate
PPP2CA	-0.6038101	-0.5655153	0.0204561	0.0285701	no hit	no hit
CMBL	-0.8246131	-1.0986435	0.0205955	0.0033027	no hit	no hit
AXL	0.6605263	0.7116850	0.0211588	0.0139980	enriched candidate	enriched candidate
RAB18	-0.6475098	-0.6559605	0.0215452	0.0201149	no hit	no hit
NUTF2	-0.8619663	-0.9661471	0.0218436	0.0114805	no hit	no hit
LDHB	-1.0726842	-1.2577723	0.0218544	0.0086771	no hit	no hit
ABHD14B	-0.8417298	-0.8629057	0.0225916	0.0198159	no hit	no hit
GSTO1	-1.4148474	-1.6603257	0.0227676	0.0090753	no hit	no hit
SCCPDH	0.7664889	1.0578445	0.0228555	0.0029388	enriched candidate	enriched hit
GDI2	-0.6969195	-0.6372051	0.0232498	0.0359314	no hit	no hit
PNP	-0.8627469	-1.0972216	0.0232774	0.0054741	no hit	no hit
PRSS21	0.6963114	0.9508782	0.0233809	0.0032925	enriched candidate	enriched candidate
ANP32B	-1.3860798	-1.4036057	0.0236871	0.0221968	no hit	no hit
SLC25A6	1.1797124	1.7670341	0.0238151	0.0016322	enriched candidate	enriched hit
CPS1	1.0270738	1.6495991	0.0239479	0.0009057	enriched candidate	enriched hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
ANP32A	-1.1868057	-1.0616081	0.0244341	0.0413937	no hit	no hit
AIFM1	1.0483436	1.7119607	0.0246193	0.0008197	enriched candidate	enriched hit
TXN	-0.8956316	-1.0405750	0.0247717	0.0107042	no hit	no hit
YWHAB	-0.8802779	-1.1334477	0.0248553	0.0054920	no hit	no hit
PDHB	1.0699200	1.7764359	0.0248684	0.0007183	enriched candidate	enriched hit
PTGES	0.5018075	0.5596113	0.0250710	0.0138701	no hit	no hit
PTPRJ	0.5950299	0.5901194	0.0251618	0.0262311	enriched candidate	enriched candidate
CLPTM1L	1.0283125	1.5259723	0.0256774	0.0019886	enriched candidate	enriched hit
SCAMP3	-0.6761965	-0.7810753	0.0257679	0.0116302	no hit	no hit
CLIC4	0.4297073	0.2735500	0.0265122	0.1415954	no hit	no hit
PPP2R1A	-0.9015254	-0.7913703	0.0269971	0.0488287	no hit	no hit
KRAS	0.7409604	0.5669426	0.0275758	0.0833111	enriched candidate	no hit
ATP5F1	0.8173218	1.2246776	0.0276858	0.0020778	enriched candidate	enriched hit
CLTA	-0.8395670	-1.0333273	0.0277006	0.0085783	no hit	no hit
ACAT1	1.0392981	1.6812198	0.0277856	0.0011031	enriched candidate	enriched hit
ATP5C1	1.1618019	1.8541359	0.0279490	0.0012522	enriched candidate	enriched hit
TRAP1	1.2101336	1.7001014	0.0280957	0.0035008	enriched candidate	enriched hit
CD46	0.5601800	0.2873589	0.0281057	0.2367035	no hit	no hit
UBA1	-0.8405999	-0.9717312	0.0293119	0.0135212	no hit	no hit
PSME3	-0.7459810	-0.8403125	0.0303332	0.0163339	no hit	no hit
UQCRC2	0.9581527	1.2745486	0.0313243	0.0060700	enriched candidate	enriched hit
PLIN3	-1.0299114	-1.3996025	0.0315516	0.0052927	no hit	no hit
ADPGK	0.4577273	0.5923353	0.0316733	0.0074157	no hit	enriched candidate
YBX1	-1.7691166	-1.5395923	0.0320330	0.0582983	no hit	no hit
ICAM1	0.6716955	0.6189284	0.0323045	0.0465526	enriched candidate	enriched candidate
TUBB4B	-0.6867938	-0.6738949	0.0324495	0.0354415	no hit	no hit
APOL2	0.7718817	0.8687097	0.0326253	0.0178734	enriched candidate	enriched candidate
SAR1A	-0.7370703	-0.5664139	0.0327720	0.0925463	no hit	no hit
YWHAE	-0.7459078	-0.9455276	0.0330316	0.0089787	no hit	no hit
ACTC1 ACTA1	0.8024025	1.1429917	0.0333403	0.0041133	enriched candidate	enriched hit
SSR4	0.5855332	0.7930475	0.0335823	0.0059367	enriched candidate	enriched candidate
GPI	-0.7734076	-0.4952956	0.0336305	0.1582710	no hit	no hit
ABCG2	1.2601713	1.3966358	0.0336884	0.0201581	enriched candidate	enriched candidate
CALM1	0.7661187	0.5945353	0.0337566	0.0915021	enriched candidate	no hit
IGSF8	0.8283054	0.7600261	0.0340433	0.0496476	enriched candidate	enriched candidate
PGD	-0.8701061	-0.7006273	0.0341524	0.0815206	no hit	no hit
CD58	0.7876075	0.6673019	0.0347561	0.0689490	enriched candidate	enriched candidate
SERPINB6	-0.7724718	-1.0582488	0.0363172	0.0061664	no hit	no hit
PGAM1	-1.0205799	-1.0660334	0.0364536	0.0297145	no hit	no hit
HSD17B4	0.7042386	1.1843335	0.0365094	0.0012970	enriched candidate	enriched hit
PLXNB2	0.5541265	0.6764503	0.0367329	0.0130200	no hit	enriched candidate
ATP5O	0.9459344	1.6234003	0.0378524	0.0011672	enriched candidate	enriched hit
GLUD1	1.1635431	1.4708045	0.0378675	0.0109963	enriched candidate	enriched candidate
SRPRA	0.8512058	0.8844125	0.0392771	0.0329737	enriched candidate	enriched candidate
CACYBP	-0.8579596	-0.9174785	0.0393082	0.0287563	no hit	no hit
TFG	-1.1244618	-1.1206098	0.0396581	0.0402656	no hit	no hit
BTF3	-1.2375595	-1.7200158	0.0404243	0.0065740	no hit	no hit
ZNF598	-0.7775675	-0.9992775	0.0410730	0.0111141	no hit	no hit
S100A6	-1.3047142	-1.6077461	0.0411125	0.0142806	no hit	no hit
S100A11	-1.3524704	-2.2091287	0.0412764	0.0020713	no hit	no hit
TALDO1	-1.3120526	-1.6459841	0.0413439	0.0129596	no hit	no hit
NPEPPS	-0.6058937	-0.5433176	0.0414172	0.0645348	no hit	no hit

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GNAI3	0.8393447	0.9391857	0.0415973	0.0244602	enriched candidate	enriched candidate
FKBP4	-0.6903636	-0.3854934	0.0416527	0.2367259	no hit	no hit
PTGR1	-0.7531171	-0.9903760	0.0417106	0.0098556	no hit	no hit
SERBP1	-1.8079280	-2.5061499	0.0427470	0.0072845	no hit	no hit
CSE1L	-0.8647388	-0.7954495	0.0431564	0.0607079	no hit	no hit
MIF	-1.0441700	-1.4407526	0.0435434	0.0077227	no hit	no hit
ECH1	1.0900183	1.5722015	0.0437041	0.0057688	enriched candidate	enriched hit
B4GALT1	-0.7047253	-0.8345779	0.0438584	0.0193717	no hit	no hit
ANXA1	-0.5224248	-0.2255554	0.0441086	0.3627332	no hit	no hit
CTTN	0.9015442	0.8124718	0.0445032	0.0673960	enriched candidate	enriched candidate
PTGFRN	0.7274874	0.5533771	0.0448288	0.1184281	enriched candidate	no hit
IQGAP1	1.3980589	1.3611695	0.0448654	0.0501907	enriched candidate	enriched candidate
TXNDC5	0.6153251	0.8399299	0.0449580	0.0086885	enriched candidate	enriched candidate
MDH2	0.8705424	1.3314963	0.0449768	0.0039903	enriched candidate	enriched hit
UQCRC1	0.7136781	1.1517412	0.0451219	0.0026798	enriched candidate	enriched hit
MYL6	0.5961698	0.5520476	0.0457694	0.0623811	enriched candidate	no hit
PUF60	-0.4712617	-0.4207790	0.0460849	0.0718511	no hit	no hit
RDX	1.3039637	1.1493159	0.0461561	0.0753589	enriched candidate	enriched candidate
GNG12	0.5021224	0.2823064	0.0462213	0.2445786	no hit	no hit
ATP5A1	0.8481773	1.6104386	0.0485491	0.0007948	no hit	enriched hit
RAP1A	0.5320556	0.7579538	0.0490914	0.0075436	no hit	enriched candidate
AGL	-1.0040286	-1.2029550	0.0494766	0.0212008	no hit	no hit
SKP1	-0.7393452	-0.8009505	0.0498820	0.0351854	no hit	no hit
GLOD4	-0.8477743	-0.9762664	0.0500377	0.0263486	no hit	no hit
TXNRD1	-0.6101066	-0.6128501	0.0505713	0.0496451	no hit	no hit
RPN2	0.7968537	1.3097488	0.0507365	0.0028882	no hit	enriched hit
PPP1CA	0.4903157	0.3873057	0.0512769	0.1165183	no hit	no hit
HSPH1	-0.5318265	-0.4065802	0.0531840	0.1311818	no hit	no hit
SLC25A24	0.9698108	1.1350588	0.0535950	0.0264327	no hit	enriched candidate
KPNB1	-0.6698115	-0.6399123	0.0538990	0.0643890	no hit	no hit
TM9SF2	-0.9274344	-1.0517459	0.0541365	0.0312049	no hit	no hit
HSPA4	-0.7347511	-0.4536348	0.0542675	0.2200571	no hit	no hit
ITGA6	0.6160650	0.5598786	0.0546545	0.0781872	no hit	no hit
DHCR7	0.8628836	1.1478017	0.0555554	0.0139149	no hit	enriched candidate
BPNT1	-0.5667511	-0.5567825	0.0562577	0.0603012	no hit	no hit
YWHAH	-0.7761973	-1.1368576	0.0565507	0.0079065	no hit	no hit
NMT1	-1.1620870	-1.7092048	0.0570214	0.0077993	no hit	no hit
RP2	0.6859755	0.4805714	0.0590441	0.1751859	no hit	no hit
CIB1	0.4424269	0.0767560	0.0602315	0.7321770	no hit	no hit
TRIM28	0.6867347	0.7648885	0.0605151	0.0386461	no hit	enriched candidate
MSLN	0.5925356	0.4150970	0.0607018	0.1781403	no hit	no hit
NECTIN2	0.4771873	0.2047078	0.0613481	0.4035085	no hit	no hit
AKR1B1	-0.7648907	-0.9349887	0.0617305	0.0254600	no hit	no hit
SLC25A3	0.8302348	1.5530089	0.0623183	0.0015558	no hit	enriched hit
ADAM10	0.4694021	0.7025148	0.0627386	0.0081764	no hit	enriched candidate
TPD52L2	-0.7235519	-1.0737492	0.0629491	0.0086830	no hit	no hit
GTF2I	0.7782688	1.0808547	0.0631256	0.0131048	no hit	enriched candidate
PPIF	0.9239184	1.6091492	0.0645972	0.0029664	no hit	enriched hit
HMOX2	0.4829780	0.5548688	0.0668045	0.0378085	no hit	no hit
GOLT1B	-0.5355459	-0.5745379	0.0676244	0.0514464	no hit	no hit
PARK7	-0.7473461	-0.8083441	0.0691631	0.0510112	no hit	no hit
ACO2	0.6691561	1.0844205	0.0696929	0.0058022	no hit	enriched hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
YWHAG	-0.4642422	-0.8470333	0.0697281	0.0024270	no hit	no hit
ETFA	0.7791291	1.1731190	0.0700165	0.0094913	no hit	enriched candidate
WDR1	1.1206443	1.1555536	0.0702509	0.0626577	no hit	enriched candidate
SHMT2	1.1096423	1.8917486	0.0715130	0.0042664	no hit	enriched hit
GNG5	0.5357813	0.3309812	0.0717179	0.2527440	no hit	no hit
AP1B1	-0.4693235	-0.8364574	0.0726385	0.0031716	no hit	no hit
RAB31	0.4759150	0.6653932	0.0729057	0.0157856	no hit	enriched candidate
RBBP4	0.5423190	0.2505057	0.0732154	0.3913247	no hit	no hit
ATP1A1	0.5687790	0.8566751	0.0735322	0.0103066	no hit	enriched candidate
SDHA	0.9086139	1.6885254	0.0736665	0.0023670	no hit	enriched hit
POR	0.6752719	1.2822349	0.0747595	0.0020604	no hit	enriched hit
EIF5A	-1.3670257	-1.6858074	0.0755064	0.0318463	no hit	no hit
LIFR	0.4648637	0.4255133	0.0757462	0.1016881	no hit	no hit
MME	-0.4869324	-0.9887385	0.0762257	0.0012362	no hit	no hit
ITGA5	0.6907537	0.6910638	0.0768046	0.0766832	no hit	enriched candidate
SFXN1	0.8439585	1.3278179	0.0772622	0.0085487	no hit	enriched hit
PPA1	-0.9022483	-1.0180095	0.0774740	0.0488178	no hit	no hit
RAP2C	0.4012618	0.4555885	0.0779790	0.0479289	no hit	no hit
GLO1	-0.9432437	-1.2287457	0.0804913	0.0266674	no hit	no hit
PA2G4	-1.0323648	-1.3580830	0.0813144	0.0257705	no hit	no hit
DSG2	0.5092099	0.5182017	0.0815305	0.0767096	no hit	no hit
LAMC1	0.5137819	0.2155576	0.0816605	0.4493452	no hit	no hit
GSTM3	-0.7007375	-0.4917216	0.0820878	0.2127673	no hit	no hit
GOT2	0.8470544	1.5142310	0.0823144	0.0040398	no hit	enriched hit
SLC43A3	0.5485201	0.0663466	0.0826897	0.8267207	no hit	no hit
OXCT1	0.6595150	1.3439306	0.0831710	0.0014839	no hit	enriched hit
CS	1.4016306	2.2800407	0.0834149	0.0079509	no hit	enriched hit
PRDX1	-0.8641678	-1.0643709	0.0842449	0.0370733	no hit	no hit
USP14	-0.6021440	-0.7050309	0.0850444	0.0468237	no hit	no hit
RMDN1	0.7151034	1.2567316	0.0852800	0.0049203	no hit	enriched hit
PGK1	-0.7322022	-0.8622865	0.0870973	0.0470823	no hit	no hit
BUB3	-0.4248345	-0.3829254	0.0872845	0.1205178	no hit	no hit
HSP90B1	0.8768021	1.3699159	0.0874302	0.0111871	no hit	enriched candidate
UBXN4	0.5163635	0.6651792	0.0887183	0.0323534	no hit	enriched candidate
CAPZA1	-0.5595352	-0.3641191	0.0889270	0.2573339	no hit	no hit
ACSL3	1.0994523	1.4123138	0.0890577	0.0329646	no hit	enriched candidate
SLC44A2	0.8047551	0.7306552	0.0904399	0.1217162	no hit	no hit
PEBP1	-1.0342547	-1.3508123	0.0915596	0.0317146	no hit	no hit
TRMT10C	0.7804957	1.3265029	0.0921464	0.0072551	no hit	enriched hit
NEGR1	0.3925125	0.2330619	0.0943592	0.3084358	no hit	no hit
MLEC	0.5586669	0.9309872	0.0946951	0.0087084	no hit	enriched candidate
QARS	0.3944565	0.2932767	0.0972788	0.2099295	no hit	no hit
ENO1	-0.6567392	-0.5858189	0.0973372	0.1361995	no hit	no hit
GDA	-0.6464967	-0.6086386	0.0986695	0.1184982	no hit	no hit
RPS28	-0.6225026	-0.9282649	0.0987896	0.0181941	no hit	no hit
ARFGAP1	-0.5605887	-0.9075345	0.0993044	0.0114400	no hit	no hit
ECI1	0.8083904	1.1499630	0.1000294	0.0238445	no hit	enriched candidate
DAG1	0.6328029	0.4841418	0.1001741	0.2015386	no hit	no hit
F11R	0.6703346	0.5786599	0.1011202	0.1531764	no hit	no hit
TUFM	1.1617206	1.7057189	0.1027527	0.0211509	no hit	enriched candidate
HSPA1B HSPA1A	-0.4351823	-0.1209898	0.1032678	0.6391645	no hit	no hit
MAT2A	-0.6444786	-0.7286590	0.1032697	0.0681141	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
SLC1A5	0.4066043	0.1795620	0.1039616	0.4594581	no hit	no hit
ALDH3A2	0.7284483	1.1699565	0.1045580	0.0132371	no hit	enriched candidate
PRDX3	1.1454577	1.5097689	0.1060583	0.0376813	no hit	enriched candidate
CLINT1	-1.0843148	-1.6696676	0.1061654	0.0173164	no hit	no hit
CAPN2	-0.4646363	-0.3366213	0.1093045	0.2381256	no hit	no hit
CD59	0.5405265	0.5149523	0.1099009	0.1265537	no hit	no hit
ATL2	0.5416945	0.7326634	0.1101676	0.0354658	no hit	enriched candidate
EIF3M	-0.5956659	-0.7569095	0.1116491	0.0475652	no hit	no hit
MYDGF	0.6411100	0.4473981	0.1119904	0.2588817	no hit	no hit
CAPRN1	-1.1131676	-1.8752007	0.1139290	0.0118013	no hit	no hit
DLD	0.9607469	1.4164378	0.1139656	0.0247059	no hit	enriched candidate
RAN	-0.3879245	-0.1126817	0.1141586	0.6355767	no hit	no hit
GIGYF2	-0.8588753	-1.3041414	0.1155944	0.0217537	no hit	no hit
DSP	-0.7004315	-0.8915726	0.1169136	0.0503811	no hit	no hit
LSS	0.3643852	0.4395606	0.1178693	0.0630021	no hit	no hit
CDH10	0.5228095	0.4905615	0.1191043	0.1420662	no hit	no hit
SLC38A5	0.5757868	0.3688671	0.1195638	0.3091078	no hit	no hit
USP10	-0.7552357	-1.2279646	0.1196238	0.0159862	no hit	no hit
MCAM	0.7428621	0.8024138	0.1198088	0.0946603	no hit	no hit
MSN	1.4877823	1.3495103	0.1198543	0.1558913	no hit	no hit
TLN1	0.4964995	0.5474012	0.1200941	0.0887615	no hit	no hit
ALG5	0.6799184	1.0268735	0.1205670	0.0241057	no hit	enriched candidate
SUPT16H	0.3565489	0.2253326	0.1207534	0.3171152	no hit	no hit
CCT8	0.5130406	0.1856713	0.1210070	0.5633561	no hit	no hit
MMP15	0.4099008	0.2804082	0.1213524	0.2807919	no hit	no hit
ADAM9	0.4688802	0.5977875	0.1214535	0.0528125	no hit	enriched candidate
TAPBP	0.5379738	1.0205991	0.1215162	0.0063619	no hit	enriched hit
BZW2	-0.5642821	-0.3594154	0.1219288	0.3150239	no hit	no hit
DDOST	0.5872560	0.8253849	0.1225850	0.0351435	no hit	enriched candidate
EPB41L2	0.9540247	0.9189382	0.1226985	0.1361664	no hit	no hit
SUCLG2	0.8475886	1.2854421	0.1232421	0.0245393	no hit	enriched candidate
LRPPRC	0.8803241	1.4431776	0.1235478	0.0162604	no hit	enriched candidate
G3BP2	-1.3005146	-1.7375196	0.1238397	0.0447151	no hit	no hit
RPN1	0.9055281	1.2928639	0.1245692	0.0335417	no hit	enriched candidate
RAB8A	0.3653774	0.3123164	0.1251734	0.1861486	no hit	no hit
C17orf75	-0.3864451	-0.4159497	0.1263078	0.1015336	no hit	no hit
HNRNPA2B1	-0.5177406	-0.4120945	0.1267995	0.2188629	no hit	no hit
CAPZB	-0.4487241	-0.2896496	0.1270582	0.3155881	no hit	no hit
HSD17B10	0.6434498	0.9512938	0.1279775	0.0297473	no hit	enriched candidate
FLOT2	0.7160830	0.7804755	0.1282138	0.0992654	no hit	no hit
VDAC2	0.6761461	0.7611357	0.1286019	0.0897448	no hit	no hit
SLIRP	0.8045309	1.4909460	0.1291731	0.0085609	no hit	enriched hit
ANXA3	-0.6137583	-0.8338470	0.1298005	0.0447137	no hit	no hit
STT3A	0.5832009	1.0951797	0.1305010	0.0080497	no hit	enriched hit
COX5A	0.6865719	1.0359832	0.1308077	0.0279850	no hit	enriched candidate
CD320	0.3318795	0.5271437	0.1317788	0.0218707	no hit	no hit
EIF4A1	-1.0769287	-1.4921220	0.1320805	0.0422135	no hit	no hit
HSPA5	0.7608667	1.0473646	0.1340677	0.0444530	no hit	enriched candidate
ARL15	0.4211931	0.4453741	0.1348650	0.1151489	no hit	no hit
FAM234A	0.4876238	0.1647107	0.1354343	0.6041060	no hit	no hit
SGTA	-0.6912632	-1.0949960	0.1355253	0.0233942	no hit	no hit
ACTR3	0.7209652	0.7582484	0.1361174	0.1181581	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
GPX8	0.7813264	0.8794929	0.1384419	0.0979550	no hit	no hit
NSDHL	0.6104310	0.9967437	0.1396551	0.0211687	no hit	enriched candidate
SAE1	-0.6869693	-0.9734499	0.1399645	0.0420202	no hit	no hit
TPI1	-0.8752863	-1.3146029	0.1403100	0.0324097	no hit	no hit
GNB2	0.9235087	1.1148611	0.1415669	0.0798367	no hit	no hit
PHB	1.0004014	1.5166908	0.1415971	0.0315096	no hit	enriched candidate
ALDOC	-0.4623600	-0.3477376	0.1417159	0.2629377	no hit	no hit
DNPH1	-0.5491632	-0.8279897	0.1432261	0.0330101	no hit	no hit
BSG	0.7674527	0.5553078	0.1432631	0.2827719	no hit	no hit
NUDT21	0.3128488	0.4548815	0.1436832	0.0391836	no hit	no hit
CNOT1	-0.9773670	-1.1739267	0.1438879	0.0829808	no hit	no hit
EZR	1.2053525	0.9549854	0.1447796	0.2428373	no hit	no hit
RPS12	-0.5167728	-0.8568059	0.1453146	0.0211430	no hit	no hit
ERP29	0.8413553	1.0042259	0.1453974	0.0859217	no hit	no hit
RHOA	0.3476848	0.1425033	0.1455950	0.5409533	no hit	no hit
FLOT1	0.7270289	0.7289149	0.1458074	0.1448243	no hit	no hit
KDELC2	0.4823694	0.5089700	0.1460138	0.1262608	no hit	no hit
GCN1	-1.0153633	-1.3456809	0.1481564	0.0604547	no hit	no hit
STX6	-0.3582669	-0.5070005	0.1487628	0.0466926	no hit	no hit
GSS	-0.5830147	-0.7431179	0.1490047	0.0705628	no hit	no hit
RPS10	-1.0015419	-1.6051252	0.1493796	0.0265737	no hit	no hit
CPM	0.6025927	0.6217837	0.1507395	0.1388656	no hit	no hit
NAA15	-1.1184321	-1.2229087	0.1511476	0.1184855	no hit	no hit
SBDS	-0.6783491	-0.9443653	0.1515137	0.0514816	no hit	no hit
DKFzp566H1924 NPTN	0.7993142	0.6960397	0.1515462	0.2086499	no hit	no hit
CNP	1.0902907	0.9573946	0.1517786	0.2052775	no hit	no hit
PLOD3	0.7053834	0.7502766	0.1517808	0.1287650	no hit	no hit
SYNGR2	-0.5886332	-0.7269089	0.1522276	0.0813050	no hit	no hit
TUBB	-0.6155474	-0.7689170	0.1551852	0.0802265	no hit	no hit
HSPD1	0.9014326	1.9121910	0.1561475	0.0056146	no hit	enriched hit
TPP2	0.8148830	0.9129634	0.1562630	0.1146645	no hit	no hit
PSME2	-0.6709449	-0.7246149	0.1574189	0.1284819	no hit	no hit
TMEM43	0.3461815	0.6961019	0.1575705	0.0082253	no hit	enriched candidate
FOLR1	0.7011765	0.5161595	0.1580814	0.2926925	no hit	no hit
MDH1	-0.5272863	-0.7207143	0.1583154	0.0593683	no hit	no hit
PMPCB	0.6668214	1.0407801	0.1590304	0.0340044	no hit	enriched candidate
COLGALT1	0.8325576	0.9915497	0.1591766	0.0972406	no hit	no hit
ARPC3	0.3714443	0.3898731	0.1598194	0.1411710	no hit	no hit
ATP5H	0.8068191	1.3281275	0.1600204	0.0266435	no hit	enriched candidate
LGALS1	0.4184166	0.3770910	0.1604680	0.2036356	no hit	no hit
RTN4RL2	0.4518794	0.1716733	0.1605016	0.5851250	no hit	no hit
CAPZA2	-0.3140864	-0.2204797	0.1619901	0.3196500	no hit	no hit
TPM3 DKFzp686J1372	0.6399644	0.7849955	0.1623590	0.0907110	no hit	no hit
FAM120A	-0.6677745	-1.0003940	0.1667286	0.0445130	no hit	no hit
ATP11C	0.3302766	0.3856727	0.1685136	0.1110997	no hit	no hit
CNPY3	0.4335020	0.3995845	0.1691744	0.2033025	no hit	no hit
PSME1	-0.8286533	-1.0987392	0.1701342	0.0742297	no hit	no hit
EIF5B	-0.9652211	-1.4702232	0.1713992	0.0435545	no hit	no hit
DSTN	0.4122759	0.4583294	0.1724723	0.1316024	no hit	no hit
ATP5B	0.6481431	0.9215067	0.1725493	0.0584757	no hit	enriched candidate
TXNL1	-0.5509991	-0.8439840	0.1734693	0.0434590	no hit	no hit
PRDX2	-0.7865315	-1.1430588	0.1757150	0.0552915	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
HSPA13	0.4182579	0.6785729	0.1760926	0.0345871	no hit	enriched candidate
SERPINH1	0.9489722	1.1811706	0.1769333	0.0972135	no hit	no hit
AHCY	-0.3680976	-0.1397386	0.1802514	0.6032224	no hit	no hit
WDR61	-0.5347530	-0.8538863	0.1806211	0.0390773	no hit	no hit
DYNC1H1	-0.9744223	-1.1785718	0.1809552	0.1095142	no hit	no hit
PHB2	1.0352517	1.5160953	0.1812454	0.0565630	no hit	enriched candidate
CAT	0.5579615	0.9047239	0.1814100	0.0367822	no hit	enriched candidate
EIF3K	-0.3610334	-0.8200624	0.1814260	0.0053934	no hit	no hit
PRKAR2A	-0.2634099	-0.4239554	0.1821578	0.0383458	no hit	no hit
RPL38	-1.3763703	-1.1037475	0.1822352	0.2805586	no hit	no hit
ACSL4	0.9251326	0.7330185	0.1822896	0.2862276	no hit	no hit
NPR3	0.3784486	0.4070312	0.1824100	0.1530885	no hit	no hit
HLA-C	0.3664717	0.1795401	0.1843322	0.5075474	no hit	no hit
LARP4	-0.8570415	-1.3631832	0.1843746	0.0413741	no hit	no hit
XPO1	-0.4884276	-0.1528032	0.1849720	0.6715277	no hit	no hit
PRMT1	-0.4148341	-0.7798299	0.1861481	0.0186331	no hit	no hit
ITGA3	0.4757438	0.3885013	0.1862523	0.2765854	no hit	no hit
RACGAP1	1.2548032	1.0570651	0.1863014	0.2622452	no hit	no hit
RPLP1	-0.6976493	-0.9099714	0.1880194	0.0910683	no hit	no hit
MYO1B	1.0768574	1.1413346	0.1884016	0.1645073	no hit	no hit
SLC35B2	-0.4295009	-0.2921223	0.1891595	0.3656743	no hit	no hit
HSPA8	-0.3693488	-0.2270991	0.1905722	0.4140493	no hit	no hit
PSMA2	-0.3567348	-0.2878853	0.1908187	0.2871562	no hit	no hit
AP2A1	0.4433187	0.2973237	0.1915044	0.3748292	no hit	no hit
TOR1AIP2	0.4197331	0.3163467	0.1921655	0.3207269	no hit	no hit
ACTN1	0.9289429	1.1353098	0.1938871	0.1163550	no hit	no hit
PGRMC1	0.4523851	0.5333885	0.1948146	0.1297050	no hit	no hit
ACTN4	1.2041321	1.3633746	0.1955819	0.1453544	no hit	no hit
PABPC4	-0.6944954	-1.1678814	0.1959278	0.0364560	no hit	no hit
G3BP1	-0.9409152	-1.5250690	0.1964417	0.0431590	no hit	no hit
ADRM1	-0.5774512	-0.7601194	0.1966368	0.0944389	no hit	no hit
P4HA1	0.4905861	0.7315302	0.1977732	0.0614149	no hit	enriched candidate
CMPK1	-0.5004241	-0.7324657	0.1978787	0.0659533	no hit	no hit
HPRT1	-0.6949907	-0.5934223	0.1993951	0.2702627	no hit	no hit
GRB2	-0.5558618	-0.6632522	0.2007440	0.1304002	no hit	no hit
SLC6A9	0.3530572	0.0430949	0.2012579	0.8732198	no hit	no hit
NASP	-0.5373574	-0.8833073	0.2024011	0.0431240	no hit	no hit
ECHS1	0.7161459	1.2456994	0.2028539	0.0336037	no hit	enriched candidate
FDFT1	0.5369991	0.9065920	0.2040962	0.0390194	no hit	enriched candidate
CRELD1	0.3407067	0.1745879	0.2045007	0.5085792	no hit	no hit
PTPRF	0.7766446	0.8001789	0.2048545	0.1920595	no hit	no hit
SLC2A1	0.3761336	0.2777946	0.2057072	0.3451433	no hit	no hit
EIF4A3	-0.7338368	-0.9888043	0.2057364	0.0937620	no hit	no hit
MYO1C	1.2340096	1.3361376	0.2060303	0.1725278	no hit	no hit
MGST1	0.6989488	0.9786733	0.2068239	0.0832118	no hit	no hit
TXLNG	-0.8441387	-1.4115810	0.2068484	0.0418560	no hit	no hit
GORASP2	-0.5605087	0.0462007	0.2071039	0.9153207	no hit	no hit
SEPT7	-1.2334307	-1.5199100	0.2071909	0.1242262	no hit	no hit
ASPH	0.9251205	1.2596332	0.2073504	0.0917313	no hit	no hit
GDPD3	0.3772271	0.3725936	0.2077590	0.2131561	no hit	no hit
SNTB2	0.5476806	0.7260393	0.2080427	0.1004546	no hit	no hit
HPCAL1	-0.5952747	-0.6338699	0.2081707	0.1814264	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
CLPTM1	0.4093705	0.6133579	0.2088599	0.0664599	no hit	enriched candidate
SEPT2	-0.8926841	-1.0904602	0.2095095	0.1292285	no hit	no hit
DNAJB11	0.9098420	0.9897602	0.2109674	0.1752513	no hit	no hit
TMEM259	0.4572342	0.5374831	0.2135374	0.1468733	no hit	no hit
CD276	0.3194928	0.2672407	0.2136433	0.2951536	no hit	no hit
ITGA1	0.7363086	0.7095578	0.2178101	0.2342999	no hit	no hit
CKAP4	1.0374425	1.3524718	0.2187040	0.1138606	no hit	no hit
ALDOA	-0.4578697	-0.6252609	0.2198786	0.0996045	no hit	no hit
VASN	0.3945106	0.2133211	0.2206697	0.5015023	no hit	no hit
TXLNA	-0.7825708	-1.3905142	0.2223436	0.0373870	no hit	no hit
LGALS3	0.3152423	0.2921546	0.2228815	0.2572663	no hit	no hit
ECI2	0.7559716	1.1563790	0.2230628	0.0693628	no hit	enriched candidate
AUP1	0.7653565	0.9183123	0.2247176	0.1487121	no hit	no hit
KIF23	1.3762028	1.1455282	0.2249349	0.3094339	no hit	no hit
DDX39B	-0.4483316	-0.0884175	0.2278352	0.8083495	no hit	no hit
ARPC2	0.8387718	0.9420930	0.2294064	0.1792502	no hit	no hit
PSMB4	-0.4262704	-0.3543919	0.2300335	0.3153738	no hit	no hit
FKBP10	0.4576698	0.6133966	0.2301868	0.1132303	no hit	no hit
MBOAT7	0.5866982	0.9957172	0.2301932	0.0492205	no hit	enriched candidate
CLPP	0.4817375	0.7479977	0.2305996	0.0698576	no hit	enriched candidate
LIMA1	0.7611764	0.9203629	0.2311615	0.1512981	no hit	no hit
PODXL2	0.3814965	0.3655090	0.2315324	0.2509176	no hit	no hit
TKT	-0.3688553	-0.4913761	0.2315713	0.1163288	no hit	no hit
DDX6	-0.8606561	-1.1429265	0.2327959	0.1183436	no hit	no hit
HMGGB1	-0.7689009	-1.0217888	0.2341188	0.1191183	no hit	no hit
ATP2A2	0.5280694	0.9832882	0.2350848	0.0343790	no hit	enriched candidate
RSU1	-0.5293020	-0.4237555	0.2352318	0.3385930	no hit	no hit
S100A16	-0.3952593	-0.8653984	0.2363937	0.0151367	no hit	no hit
CCDC47	0.9389928	1.2682447	0.2368414	0.1156282	no hit	no hit
HADHA	0.4662461	0.9638485	0.2393573	0.0214936	no hit	enriched candidate
MTHFD1	-0.9865059	-1.2043627	0.2396704	0.1548941	no hit	no hit
PSMA7	-0.2666472	-0.0195521	0.2407575	0.9301211	no hit	no hit
ITGB1	0.6028352	0.6285449	0.2430567	0.2242890	no hit	no hit
CAP1	-0.4675020	-0.3160625	0.2434228	0.4256011	no hit	no hit
ATP6AP2	0.4593696	0.4762395	0.2458170	0.2295416	no hit	no hit
NRAS	-0.3555890	-0.6062246	0.2459363	0.0556734	no hit	no hit
ABCF2	-0.8384770	-1.2729247	0.2464148	0.0855027	no hit	no hit
SLC22A18	0.4999536	0.6506782	0.2465142	0.1363421	no hit	no hit
MYO1E	1.0374950	1.0311746	0.2482288	0.2510173	no hit	no hit
PGRMC2	0.5230338	0.4461151	0.2494738	0.3235609	no hit	no hit
CD109	0.5226382	0.2843424	0.2494741	0.5255844	no hit	no hit
PABPC1	-0.7657607	-1.2853266	0.2502205	0.0613787	no hit	no hit
COMT	0.3793053	0.5558602	0.2502978	0.0986723	no hit	no hit
SACM1L	0.6798284	0.8889034	0.2504870	0.1378444	no hit	no hit
GARS	-0.5564182	-0.6178410	0.2531211	0.2063277	no hit	no hit
REEP6	-0.3948524	-0.5485894	0.2555428	0.1200405	no hit	no hit
CSPG4	0.3372564	0.2071553	0.2574308	0.4818129	no hit	no hit
RPL18A	-0.8012599	-1.0647002	0.2577255	0.1377294	no hit	no hit
WLS	0.3405494	0.6001163	0.2585101	0.0544451	no hit	enriched candidate
HNRNPA1	-0.7122415	-0.0891362	0.2596919	0.8858464	no hit	no hit
CXADR	0.3314016	0.1803730	0.2596961	0.5344966	no hit	no hit
TMX3	0.3871463	0.4835278	0.2613083	0.1646260	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
SCAMP1	-0.3356148	-0.5459533	0.2623313	0.0759383	no hit	no hit
EIF1AY EIF1AX	-0.9107681	-1.1709613	0.2623737	0.1540957	no hit	no hit
TAP1	0.5026019	1.0862074	0.2644086	0.0226909	no hit	enriched candidate
RBMX	-0.6463810	0.0391064	0.2654104	0.9453388	no hit	no hit
CLTC	-0.6017355	-0.9168297	0.2672966	0.0980671	no hit	no hit
TM9SF4	-0.3620671	-0.3815750	0.2680679	0.2440042	no hit	no hit
FXR1	-0.8131010	-1.0024651	0.2688156	0.1764772	no hit	no hit
ERH	-0.5510695	-0.0124216	0.2701238	0.9798265	no hit	no hit
ANXA4	-0.3897706	-1.0457973	0.2713977	0.0069116	no hit	no hit
VAMP3	-0.3572429	-0.5252880	0.2717534	0.1126949	no hit	no hit
LDLR	-0.3726042	-0.4455738	0.2733777	0.1933577	no hit	no hit
SEPT10	-0.8078085	-1.0533540	0.2742079	0.1585877	no hit	no hit
PODXL	0.4364640	0.4962518	0.2764118	0.2180638	no hit	no hit
CFL1	0.3755804	0.6947909	0.2771756	0.0526751	no hit	enriched candidate
GEMIN5	-0.9234248	-1.1881832	0.2773421	0.1665755	no hit	no hit
CNPY2 F8W031	0.6198838	0.6623748	0.2774079	0.2468770	no hit	no hit
VIM	-0.7550759	0.2748573	0.2776430	0.6885019	no hit	no hit
RPS25	-1.0555336	-1.4913347	0.2778374	0.1311902	no hit	no hit
SLC44A1	0.5331593	0.3191940	0.2799447	0.5133502	no hit	no hit
TM9SF3	-0.4410135	-0.2820623	0.2804642	0.4858499	no hit	no hit
VDAC1	0.4891815	0.6999095	0.2832936	0.1308736	no hit	no hit
METAP2	-1.1672268	-1.7239209	0.2838974	0.1200882	no hit	no hit
AP2M1	0.6692516	0.4596463	0.2839912	0.4580464	no hit	no hit
NCEH1	0.3895530	0.4323896	0.2842689	0.2363231	no hit	no hit
GPRC5A	0.5835683	0.7300156	0.2844384	0.1843865	no hit	no hit
SCAMP2	-0.3611587	-0.7141227	0.2845094	0.0425531	no hit	no hit
APMAP	0.4756683	0.4846636	0.2868441	0.2781128	no hit	no hit
GPD2	0.7016824	1.3088019	0.2878149	0.0558469	no hit	enriched candidate
RPS7	-0.8317582	-1.1847248	0.2886797	0.1367301	no hit	no hit
PSMB1	-0.3880081	-0.1190548	0.2891161	0.7414412	no hit	no hit
SLC16A1	0.2446925	0.1246826	0.2914283	0.5865823	no hit	no hit
P4HB	0.5295123	0.5141162	0.2925002	0.3063375	no hit	no hit
ANXA2	0.2289044	0.0315289	0.2959714	0.8838129	no hit	no hit
FARSB	-0.6211158	-0.9754518	0.2960562	0.1081376	no hit	no hit
RAB27B	0.3835296	0.2493259	0.2963088	0.4934005	no hit	no hit
VAPA	0.5013389	0.9139444	0.2965477	0.0655578	no hit	enriched candidate
RAB1B	-0.3824102	-0.4802344	0.2980556	0.1950401	no hit	no hit
SEPT9	-0.9908514	-1.1495393	0.2982647	0.2298990	no hit	no hit
DEGS1	0.3264638	0.5725459	0.3008159	0.0779586	no hit	no hit
DLG1	0.2685080	0.4981249	0.3014211	0.0638309	no hit	no hit
ZMPSTE24	0.4647001	0.7210685	0.3040662	0.1179194	no hit	no hit
RABAC1	-0.4214853	-0.4863726	0.3040845	0.2378858	no hit	no hit
CSDE1	-0.8677602	-1.3081679	0.3051104	0.1288399	no hit	no hit
SCD	0.4187249	0.8347019	0.3058105	0.0498486	no hit	enriched candidate
SLC5A6	-0.2534202	-0.5117102	0.3077571	0.0480789	no hit	no hit
HDGF	-0.3794429	-0.7799302	0.3080303	0.0447058	no hit	no hit
FAU	-1.2183756	-1.5092772	0.3086996	0.2107272	no hit	no hit
S100A13	-0.5376245	-0.9305155	0.3089895	0.0865794	no hit	no hit
RPL5	-0.6903833	-1.1747547	0.3097510	0.0920863	no hit	no hit
PLD3	0.2875705	0.3640653	0.3098410	0.2023372	no hit	no hit
TPM4	0.4376922	0.5770425	0.3109776	0.1861186	no hit	no hit
RPS14	-0.7317541	-1.1634865	0.3128199	0.1159482	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
STT3B	1.2871175	1.3664882	0.3142492	0.2861883	no hit	no hit
FUBP1	-0.3619687	-0.6758808	0.3153676	0.0695858	no hit	no hit
SFPQ	-0.5062834	-0.0471734	0.3154967	0.9244352	no hit	no hit
ESYT1	0.6876612	0.9129691	0.3183955	0.1898051	no hit	no hit
M6PR	-0.5028284	-0.6549505	0.3205010	0.1998450	no hit	no hit
FLVCR1	0.3130558	0.0821283	0.3209768	0.7919818	no hit	no hit
RUVBL2	-0.5663251	-0.7702881	0.3221846	0.1830327	no hit	no hit
CORO1C	0.5854411	0.6345545	0.3242751	0.2864592	no hit	no hit
RPL14	-1.0125213	-1.3067001	0.3250588	0.2080305	no hit	no hit
TMEM165	-0.4216952	-0.4595446	0.3262406	0.2858887	no hit	no hit
NCL	0.3709587	0.7250099	0.3266669	0.0642066	no hit	enriched candidate
IKBIP	0.7831438	1.1417357	0.3269566	0.1589767	no hit	no hit
EIF2A	-0.6542443	-1.0084641	0.3272351	0.1378801	no hit	no hit
SEC61B	0.3143726	0.2599649	0.3276498	0.4163027	no hit	no hit
PSMA3	-0.4040460	-0.5553528	0.3279420	0.1837614	no hit	no hit
CYB5R3	0.4456785	0.7990912	0.3290754	0.0887368	no hit	no hit
AK2	0.5170853	0.9504375	0.3293545	0.0817618	no hit	no hit
RPL24	-0.9191877	-1.3019531	0.3362564	0.1786114	no hit	no hit
RPL36A RPL36A-HNRNPH2	-0.8823112	-1.3371821	0.3364819	0.1517261	no hit	no hit
ARPC4-TTL3 ARPC4	0.3463547	0.4158419	0.3367566	0.2514127	no hit	no hit
DDX3X	-0.7297179	-1.0153922	0.3378197	0.1873957	no hit	no hit
HLA-A	0.2389993	0.0103419	0.3387667	0.9665554	no hit	no hit
TMX2	0.3317400	0.9467155	0.3411925	0.0120021	no hit	enriched candidate
STX10	-0.3488578	-0.4856360	0.3420549	0.1910114	no hit	no hit
CALR	0.3275359	0.5172317	0.3420856	0.1406136	no hit	no hit
PPP3CA	-0.2388980	-0.3992380	0.3423152	0.1203675	no hit	no hit
EIF3G	-0.8235661	-1.2972172	0.3423820	0.1418085	no hit	no hit
RPLP0	-0.6730905	-1.0651957	0.3433146	0.1407894	no hit	no hit
SLC7A2	-0.2848604	-0.3995457	0.3448875	0.1903705	no hit	no hit
SLC31A1	0.2908689	-0.0560104	0.3458152	0.8542247	no hit	no hit
RPS8	-0.8715098	-1.1752908	0.3461180	0.2083535	no hit	no hit
TMED5	-0.4449062	-0.1431350	0.3470317	0.7596693	no hit	no hit
RPL35	-0.9043925	-1.1620853	0.3480880	0.2315781	no hit	no hit
SCP2	0.5047331	1.0237617	0.3484288	0.0664381	no hit	enriched candidate
E9PAM4 PI4K2A	-0.3162002	-0.4878897	0.3495461	0.1555436	no hit	no hit
RPL11	-0.8546576	-1.1890316	0.3500932	0.1985455	no hit	no hit
RPL15	-0.7978020	-0.9475853	0.3502915	0.2696080	no hit	no hit
TSPAN4	0.6361595	0.2973885	0.3508632	0.6597311	no hit	no hit
RPS20	-0.8739130	-1.3810225	0.3543163	0.1502141	no hit	no hit
TECR	0.7546452	0.8234753	0.3547755	0.3136913	no hit	no hit
NAPA	-0.2622515	-0.3380945	0.3551982	0.2368901	no hit	no hit
KDSR	0.3551705	0.4978699	0.3584189	0.2029220	no hit	no hit
ITGA2	0.5012052	0.2802604	0.3592761	0.6053160	no hit	no hit
XRCC5	-0.5917313	-0.7128302	0.3605306	0.2731589	no hit	no hit
SYNCRIP	-0.5910552	-0.8579058	0.3608183	0.1902191	no hit	no hit
SURF4	-0.2996728	-0.2397919	0.3612315	0.4631764	no hit	no hit
SYPL1	-0.5468150	-0.3614096	0.3617302	0.5440042	no hit	no hit
FKBP9	0.3855950	0.3653033	0.3620501	0.3873045	no hit	no hit
RPL7	-0.8038363	-1.2803383	0.3623667	0.1537990	no hit	no hit
MICA	0.3456726	0.3609124	0.3624216	0.3421447	no hit	no hit
RPL36	-0.9026262	-1.1684220	0.3626459	0.2422200	no hit	no hit
RPS3A	-0.7393476	-1.0960594	0.3650739	0.1851519	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
CY5B	0.5613273	0.6710972	0.3671943	0.2832957	no hit	no hit
RHEB	0.2058517	0.2394298	0.3682448	0.2972043	no hit	no hit
SEC61A1	0.2966841	0.6914496	0.3688266	0.0454093	no hit	enriched candidate
PDIA4	0.6446313	0.8142042	0.3688550	0.2594935	no hit	no hit
P4HA2	0.4168585	0.5944729	0.3718328	0.2078787	no hit	no hit
PSMA4	-0.2404741	-0.0015543	0.3721474	0.9953458	no hit	no hit
UQCRB	0.7334598	1.1612093	0.3729699	0.1651250	no hit	no hit
RPL23A	-0.7721570	-1.0143976	0.3731138	0.2456676	no hit	no hit
RPS17	-0.8838204	-1.4228098	0.3731412	0.1586376	no hit	no hit
RPS3	-0.7743381	-1.1823833	0.3734615	0.1802986	no hit	no hit
PLEC	-0.5750348	0.1088815	0.3758303	0.8654216	no hit	no hit
LGALS3BP	0.2572816	0.5519703	0.3772971	0.0677993	no hit	no hit
EEF2	-0.6237502	-0.9191843	0.3809253	0.2021019	no hit	no hit
RAB1A	-0.2464567	-0.3929116	0.3811400	0.1693721	no hit	no hit
RPS11	-0.7354220	-1.2214507	0.3814275	0.1533688	no hit	no hit
RPS2	-0.8145821	-1.2056922	0.3816428	0.2008708	no hit	no hit
TMEM33	0.2773073	0.7626371	0.3817426	0.0238227	no hit	enriched candidate
RPL13	-0.8333597	-1.1379202	0.3820103	0.2368046	no hit	no hit
RPL22	-0.7907898	-1.3428734	0.3822431	0.1455192	no hit	no hit
CLCC1	0.3326902	0.6428979	0.3825695	0.1006723	no hit	no hit
RPS9	-0.8120057	-1.3552671	0.3860102	0.1552954	no hit	no hit
RPS24	-0.8573689	-1.2758859	0.3870024	0.2035100	no hit	no hit
RPL34	-0.9369821	-1.1988690	0.3878728	0.2723436	no hit	no hit
EIF3F	-0.3842297	-0.8356300	0.3878973	0.0701140	no hit	no hit
MATR3	-0.3896702	-0.3518068	0.3880900	0.4349733	no hit	no hit
NIT2	-0.2491599	-0.1309036	0.3897615	0.6489310	no hit	no hit
S100A10	0.2886700	0.2487605	0.3912761	0.4588628	no hit	no hit
HTATIP2	0.4882925	0.4114694	0.3912981	0.4687401	no hit	no hit
FAM3C	-0.2530116	-0.3495352	0.3918667	0.2411073	no hit	no hit
LRRC59	1.0666575	1.7379222	0.3938065	0.1715984	no hit	no hit
REEP5	-0.3843386	-0.3321109	0.3954758	0.4616551	no hit	no hit
RPL28	-0.7495031	-1.0767428	0.3972160	0.2287000	no hit	no hit
RPL7A	-0.7597630	-1.0601064	0.3974695	0.2420791	no hit	no hit
RPL26	-0.8335416	-1.2629444	0.3979554	0.2059466	no hit	no hit
RPL29	-0.9636526	-1.1746680	0.3982230	0.3054071	no hit	no hit
IGF2BP3	-0.6259536	-0.9819136	0.3999283	0.1928785	no hit	no hit
TXNDC12	0.3124914	0.5234791	0.4003237	0.1660708	no hit	no hit
AP2B1	0.2743329	0.2643168	0.4018140	0.4188954	no hit	no hit
RPS13	-0.7244270	-1.2016797	0.4021990	0.1716846	no hit	no hit
CDC42	0.2414787	0.0214432	0.4050529	0.9404895	no hit	no hit
SLC2A3	0.3829006	0.2428679	0.4054841	0.5956313	no hit	no hit
DARS	0.4621965	0.3120175	0.4060339	0.5728485	no hit	no hit
MPZL1	0.3868072	0.3173118	0.4065007	0.4945634	no hit	no hit
GLG1	-0.2772624	-0.1132116	0.4072998	0.7330449	no hit	no hit
RPL13A	-0.7918771	-1.1281656	0.4074574	0.2424523	no hit	no hit
HDLBP	-0.5052360	-0.8107209	0.4094137	0.1919928	no hit	no hit
RPL19	-0.6723126	-1.1177523	0.4099860	0.1776871	no hit	no hit
RPL8	-0.9069136	-1.3424516	0.4102002	0.2279142	no hit	no hit
HM13	0.3749500	0.5093270	0.4111289	0.2679455	no hit	no hit
CPNE3	-0.2338397	-0.3214158	0.4113480	0.2627167	no hit	no hit
RPS18	-0.6707669	-1.1811845	0.4127722	0.1569838	no hit	no hit
VKORC1L1	0.3571129	0.3562727	0.4136751	0.4147544	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
RPL10A	-0.7421003	-1.0748685	0.4145078	0.2419216	no hit	no hit
SCARB1	0.2631376	0.2606525	0.4145667	0.4189073	no hit	no hit
SCRIB	0.2345346	0.2165163	0.4172461	0.4533172	no hit	no hit
RPL21	-0.7406006	-1.0599002	0.4179388	0.2507942	no hit	no hit
FLNB	0.3995931	0.6712528	0.4183074	0.1809192	no hit	no hit
RPLP2	-0.5543999	-1.1430867	0.4185280	0.1048435	no hit	no hit
RCC2	-0.6522001	-0.9090149	0.4198138	0.2648305	no hit	no hit
FLNA	0.7026479	0.8370706	0.4200562	0.3385726	no hit	no hit
RPL27	-0.7488666	-0.9817767	0.4204064	0.2939087	no hit	no hit
ENG	0.2534421	0.2120423	0.4205430	0.4992127	no hit	no hit
RANGAP1	0.2681333	0.1640025	0.4209500	0.6205792	no hit	no hit
RPL17 RPL17-C18orf32	-0.7280410	-0.9930729	0.4211520	0.2761759	no hit	no hit
RPS4X	-0.6505533	-0.9780111	0.4211750	0.2317113	no hit	no hit
SQSTM1	0.5265306	0.5998086	0.4211832	0.3607753	no hit	no hit
RPS6	-0.7129250	-1.1310338	0.4213852	0.2081219	no hit	no hit
CD151	0.3682590	0.1048861	0.4234917	0.8182084	no hit	no hit
RPL3	-0.6693002	-0.9505590	0.4244043	0.2608037	no hit	no hit
GAA	-0.2220331	-0.0226581	0.4247618	0.9345054	no hit	no hit
STX7	-0.2426743	-0.3327488	0.4253528	0.2780365	no hit	no hit
VAPB	0.2270465	0.4803762	0.4278509	0.1031251	no hit	no hit
RPS23	-0.6949735	-1.2703006	0.4285290	0.1559076	no hit	no hit
TBL2	0.6729672	1.0830149	0.4288388	0.2090324	no hit	no hit
PSMB6	-0.3647889	-0.5897653	0.4317972	0.2098741	no hit	no hit
RPL4	-0.7205831	-1.0077362	0.4330908	0.2767951	no hit	no hit
ATP6AP1	0.3615237	0.4814670	0.4346768	0.3012787	no hit	no hit
GOLPH3	-0.2477797	-0.2444842	0.4351813	0.4412116	no hit	no hit
RPS5	-0.6805561	-1.0576074	0.4360541	0.2315500	no hit	no hit
ACLY	-0.5805583	-0.7639730	0.4379443	0.3103029	no hit	no hit
VAT1	-0.2925052	-0.3899011	0.4435068	0.3100714	no hit	no hit
DPM3	0.3892319	0.5039774	0.4447278	0.3250270	no hit	no hit
HNRNPL	-0.4353905	-0.1985422	0.4456955	0.7263335	no hit	no hit
ARF3 ARF1	-0.2104515	-0.2488867	0.4511670	0.3743768	no hit	no hit
RPL23	-0.7737745	-1.2370109	0.4528072	0.2356275	no hit	no hit
RPS16	-0.6640048	-1.1339480	0.4546834	0.2082472	no hit	no hit
RPS27A	-0.6527722	-1.1415464	0.4574746	0.2006963	no hit	no hit
RPL30	-0.6703706	-1.0763097	0.4574993	0.2384601	no hit	no hit
RPS19	-0.6157550	-1.3013651	0.4576796	0.1259548	no hit	no hit
TMED10	-0.3098274	-0.4499838	0.4577882	0.2848884	no hit	no hit
CYFIP1	0.6069145	0.6194631	0.4592128	0.4501244	no hit	no hit
RHOB	0.2059062	0.0250409	0.4599029	0.9278470	no hit	no hit
RPL6	-0.6616957	-1.0933862	0.4600713	0.2281481	no hit	no hit
RPL27A	-0.6422145	-1.0844665	0.4613297	0.2197720	no hit	no hit
HNRNPK	-0.3659242	-0.6599319	0.4638106	0.1936588	no hit	no hit
RPL10	-0.7253314	-1.1898856	0.4657692	0.2372063	no hit	no hit
EIF2S3	-0.5852716	-1.0671759	0.4664822	0.1915754	no hit	no hit
CASC4	-0.2819521	-0.4943941	0.4665198	0.2084111	no hit	no hit
MARS	0.2854450	0.3787247	0.4684803	0.3387717	no hit	no hit
RTN3	-0.3459618	-0.3808997	0.4692280	0.4262640	no hit	no hit
TNFRSF10A	0.1756454	-0.1066146	0.4695083	0.6591751	no hit	no hit
RPL35A	-0.7198064	-1.0699368	0.4697412	0.2867419	no hit	no hit
RPS15A	-0.5864656	-0.8310171	0.4719482	0.3115354	no hit	no hit
RPS26	-0.7209519	-1.3299764	0.4730815	0.1930296	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
XRCC6	-0.4768411	-0.6544365	0.4740420	0.3288321	no hit	no hit
RTN4	-0.3502438	-0.9253006	0.4781009	0.0715115	no hit	no hit
PSMA1	-0.1557183	-0.2073236	0.4801690	0.3497639	no hit	no hit
PSEN1	0.2247999	0.0490752	0.4807261	0.8768522	no hit	no hit
HNRNPC	-0.5231644	-0.2451348	0.4828231	0.7409500	no hit	no hit
ITGAV	0.2860721	0.2204525	0.4832110	0.5879407	no hit	no hit
SLC29A1	0.3318377	0.0671470	0.4856465	0.8870697	no hit	no hit
CLUH	-0.3909244	-1.0259678	0.4858443	0.0780417	no hit	no hit
LAMTOR2	-0.3259802	0.0370592	0.4865540	0.9365280	no hit	no hit
RPSA	-0.3792508	-1.0851253	0.4889121	0.0581950	no hit	no hit
LPCAT3	0.2804523	0.4758574	0.4895819	0.2467825	no hit	no hit
RPL9	-0.6884048	-1.1384194	0.4906998	0.2597373	no hit	no hit
RAB21	0.1589412	0.3823176	0.4951388	0.1110940	no hit	no hit
RAB5A	0.1992319	0.4798704	0.4966859	0.1118641	no hit	no hit
RPL12	-0.5505902	-0.8483631	0.4974307	0.2999692	no hit	no hit
FERMT2	0.3726710	0.2277756	0.4990936	0.6783076	no hit	no hit
PVR	0.3589297	0.3156166	0.4998772	0.5524322	no hit	no hit
BAIAP2L1	0.3747394	0.1782274	0.5004852	0.7474485	no hit	no hit
UPF1	-0.5501691	-0.8731530	0.5025846	0.2918223	no hit	no hit
ANTXR1	0.1650726	-0.1052309	0.5028140	0.6681052	no hit	no hit
HRAS	0.2489713	-0.0020219	0.5035072	0.9956380	no hit	no hit
RPL32	-0.6227703	-0.8883385	0.5037478	0.3432933	no hit	no hit
CCT7	0.5706808	0.4732419	0.5061346	0.5806681	no hit	no hit
C14orf166	-0.3182618	-0.7046305	0.5064785	0.1506105	no hit	no hit
LYPLA1	-0.2256490	-0.1602324	0.5092508	0.6382971	no hit	no hit
PCYOX1	0.2782876	0.4072001	0.5101205	0.3384499	no hit	no hit
RPL37A	-0.6954517	-1.0447554	0.5127835	0.3290567	no hit	no hit
RAB27A	0.3211234	0.4518342	0.5132547	0.3603960	no hit	no hit
BCAP31	0.2063963	0.3408285	0.5154459	0.2876308	no hit	no hit
TMED7-TICAM2 TICAM2 TMED7	-0.3779983	-0.1717446	0.5154567	0.7665532	no hit	no hit
ELAVL1	-0.3535949	-0.3485923	0.5175210	0.5233957	no hit	no hit
DAGLB	-0.2105249	-0.1672868	0.5185555	0.6071934	no hit	no hit
EIF3A	-0.6053218	-1.0504894	0.5249494	0.2752273	no hit	no hit
DERL2	0.2379586	0.4816663	0.5267406	0.2076798	no hit	no hit
SLC38A2	-0.2491920	-0.4364245	0.5286826	0.2752243	no hit	no hit
RPL31	-0.6298237	-1.0987274	0.5323827	0.2812822	no hit	no hit
RPL18	-0.6172557	-0.9497302	0.5330238	0.3409919	no hit	no hit
SLC35F6	-0.3537498	-0.2156407	0.5388883	0.7070423	no hit	no hit
EIF2S1	-0.4435920	-0.9023143	0.5423632	0.2225104	no hit	no hit
VPS35	-0.3582235	-0.3605282	0.5447318	0.5421733	no hit	no hit
SNAP23	0.2137274	-0.0457802	0.5496468	0.8975413	no hit	no hit
CCT2	0.4682346	0.3322103	0.5502757	0.6709352	no hit	no hit
ATP6V0A1	0.1337670	0.2310992	0.5503550	0.3068558	no hit	no hit
ATL3	0.1245788	0.3934117	0.5551268	0.0735579	no hit	no hit
IGF2BP1	-0.4315657	-1.0102529	0.5560470	0.1771116	no hit	no hit
EIF3D	-0.4998896	-0.8500947	0.5578465	0.3232649	no hit	no hit
GGH	-0.1890147	0.0564856	0.5584220	0.8605734	no hit	no hit
ERO1A	0.3354980	0.4630809	0.5607380	0.4239533	no hit	no hit
UBL3	0.2265038	0.3035245	0.5615101	0.4382518	no hit	no hit
TMED2	-0.2907201	-0.3564787	0.5640917	0.4804389	no hit	no hit
LMAN2	-0.2106224	-0.1845720	0.5645599	0.6132973	no hit	no hit
DDX1	-0.4124819	-0.7219445	0.5669151	0.3207356	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
RAB6A	-0.1664209	-0.0169600	0.5672999	0.9533015	no hit	no hit
SIGMAR1	0.2962249	0.4722193	0.5673811	0.3652529	no hit	no hit
FUBP3	-0.4103971	-0.8228288	0.5684371	0.2591701	no hit	no hit
IMPDH2	0.2808336	0.3462835	0.5700142	0.4846863	no hit	no hit
HNRNPH1	-0.3395556	-0.2258633	0.5706895	0.7053390	no hit	no hit
RAB2A	-0.2076822	-0.1124195	0.5709976	0.7583336	no hit	no hit
ILF3	-0.3088510	-0.1062830	0.5719814	0.8452011	no hit	no hit
ERGIC3	-0.2366223	-0.3786691	0.5732864	0.3706778	no hit	no hit
TSPAN3	-0.1988471	-0.3616053	0.5750057	0.3127074	no hit	no hit
CTSC	-0.1696138	0.0799476	0.5753976	0.7910740	no hit	no hit
ECE1	0.2436509	0.3316790	0.5767782	0.4490837	no hit	no hit
RAB10	0.1196336	0.0514575	0.5799264	0.8111795	no hit	no hit
SLC1A4	0.1957858	0.2219732	0.5804725	0.5314052	no hit	no hit
DAD1	0.3187158	0.6055691	0.5823772	0.3013035	no hit	no hit
ERAP1	0.2364970	0.6005637	0.5824052	0.1719888	no hit	no hit
ERGIC1	-0.1197406	0.0770924	0.5872175	0.7260678	no hit	no hit
MVP	-0.3002642	-0.2576867	0.5889087	0.6424437	no hit	no hit
ITGB5	0.1654753	0.0670563	0.5889623	0.8260941	no hit	no hit
FEN1	-0.3557630	-0.5590130	0.5933270	0.4041246	no hit	no hit
ABCE1	-0.4342123	-0.5719330	0.5938391	0.4836823	no hit	no hit
RARS	0.2529848	0.4231013	0.5947519	0.3769824	no hit	no hit
EIF3L	-0.4397572	-0.8659140	0.5954088	0.3011011	no hit	no hit
RECQL	-0.3839392	-0.8720744	0.5962141	0.2361780	no hit	no hit
ADAM15	0.1665389	0.4820007	0.6013394	0.1409790	no hit	no hit
TMED4	-0.2026178	-0.1669862	0.6029584	0.6677787	no hit	no hit
RACK1	-0.3163594	-0.8285872	0.6055898	0.1853885	no hit	no hit
HNRNPM	-0.2284365	-0.1313169	0.6104499	0.7690945	no hit	no hit
VAMP8	0.2013502	-0.2019220	0.6123575	0.6113554	no hit	no hit
EIF3B	-0.3456909	-0.6229093	0.6132557	0.3662121	no hit	no hit
MOV10	-0.2701311	-0.6603730	0.6144185	0.2260206	no hit	no hit
ATP6V0D1	0.1265341	0.0733311	0.6150837	0.7702152	no hit	no hit
VAMP7	-0.1345636	-0.0231325	0.6183823	0.9315266	no hit	no hit
TMED1	-0.2071635	-0.1182927	0.6201655	0.7766722	no hit	no hit
SLC38A7	-0.1965712	0.1262036	0.6209824	0.7504144	no hit	no hit
NEU1	0.1858993	0.4126054	0.6236370	0.2822999	no hit	no hit
LMNA	-0.3391932	-0.1354718	0.6244000	0.8445276	no hit	no hit
SPTBN1	0.3289097	0.8697761	0.6251740	0.2050876	no hit	no hit
CTNNA1	0.2857709	-0.1691800	0.6273821	0.7733563	no hit	no hit
EIF3H	-0.3836413	-0.9723089	0.6368290	0.2391415	no hit	no hit
HEXB	-0.2378309	-0.1260650	0.6387268	0.8030471	no hit	no hit
GALNT7	-0.1505094	0.0871305	0.6409552	0.7867553	no hit	no hit
ATP1B3	0.2190781	0.1101010	0.6514213	0.8200051	no hit	no hit
ALDH7A1	0.2236469	0.4709680	0.6521379	0.3470851	no hit	no hit
EIF3C	-0.2961329	-0.7628475	0.6553519	0.2574795	no hit	no hit
TCP1	0.4514777	0.3813473	0.6560926	0.7065899	no hit	no hit
SMC2	-0.2794817	-0.8232297	0.6566057	0.1994572	no hit	no hit
HNRNPUL1	-0.1974225	-0.1817665	0.6611425	0.6864037	no hit	no hit
EIF3E	-0.2842945	-0.7451165	0.6633951	0.2611863	no hit	no hit
CCT5	0.4482578	0.2526310	0.6650111	0.8068653	no hit	no hit
MYOF	0.1932061	0.1651339	0.6668746	0.7127568	no hit	no hit
SLC7A6	0.1513299	-0.0722096	0.6678963	0.8374706	no hit	no hit
SLC7A5	0.1709859	-0.1663057	0.6695683	0.6780564	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
HNRNPR	-0.1750734	-0.1816969	0.6715339	0.6599363	no hit	no hit
RAB3D	0.1302096	0.2047058	0.6736617	0.5094630	no hit	no hit
CSTB	-0.1945916	-0.4572256	0.6736634	0.3277294	no hit	no hit
DDB1	0.1141053	0.2921831	0.6738516	0.2876371	no hit	no hit
TMEM109	0.2182279	0.2585744	0.6739565	0.6184753	no hit	no hit
MPDU1 HBEBP2BPA	0.2067031	0.2904126	0.6740426	0.5555073	no hit	no hit
PKN2	0.2695960	0.3285979	0.6749463	0.6096717	no hit	no hit
VCP	0.2506833	0.5938006	0.6751043	0.3261464	no hit	no hit
EPHX1	0.1923847	0.4878827	0.6782723	0.2989744	no hit	no hit
POFUT1	0.1123747	0.5126925	0.6804018	0.0720001	no hit	no hit
RPS21	-0.1579725	-0.9200207	0.6815525	0.0256978	no hit	no hit
IGF2R	0.1628472	0.1507547	0.6816050	0.7039930	no hit	no hit
CCT6A	0.4234097	0.3213645	0.6831860	0.7565114	no hit	no hit
ALYREF	-0.2216727	0.0557840	0.6838348	0.9181977	no hit	no hit
LNPEP	-0.1679683	-0.1241197	0.6866621	0.7654046	no hit	no hit
SEC23IP	-0.3008969	-0.8502318	0.6891947	0.2656788	no hit	no hit
ABCB6	0.1280243	0.5408159	0.6910477	0.1049927	no hit	no hit
SDCBP	0.1579079	0.5806899	0.6944958	0.1592729	no hit	no hit
HNRNPD	-0.1530716	0.0555533	0.6949514	0.8866181	no hit	no hit
TMED9	-0.2031202	-0.1722856	0.6954228	0.7396826	no hit	no hit
HSP90AB1	-0.1497072	-0.0897142	0.7006019	0.8175263	no hit	no hit
DDR1	0.1085571	-0.0233097	0.7048318	0.9350488	no hit	no hit
RAB14	-0.1168015	-0.1611457	0.7085982	0.6067444	no hit	no hit
TMEM106B	0.1905441	0.3989278	0.7094183	0.4382704	no hit	no hit
CCT4	0.3877967	0.3081591	0.7116036	0.7687670	no hit	no hit
SCARB2	0.2273036	0.4324196	0.7119085	0.4845055	no hit	no hit
CCT3	0.3421406	0.2573196	0.7150574	0.7834786	no hit	no hit
FASN	-0.1526562	-0.2757642	0.7181876	0.5161753	no hit	no hit
SCPEP1	-0.1711656	-0.0589112	0.7251300	0.9035318	no hit	no hit
PARP1	0.2223683	0.1464677	0.7261308	0.8173600	no hit	no hit
HADHB	0.1485002	0.3449166	0.7287938	0.4240061	no hit	no hit
RTCB	-0.2222065	-0.5982079	0.7288995	0.3557466	no hit	no hit
NSUN2	-0.1779332	-0.6447477	0.7301176	0.2202538	no hit	no hit
CTSA	-0.1614620	-0.1374767	0.7307816	0.7694417	no hit	no hit
NCS1	0.1121921	0.2713215	0.7311936	0.4097841	no hit	no hit
ARL6IP5	0.1643239	0.2463498	0.7320364	0.6084416	no hit	no hit
GLA	0.1524022	0.3790152	0.7329649	0.4000791	no hit	no hit
ALDH9A1	-0.1314803	0.2161166	0.7359400	0.5803803	no hit	no hit
RAB9A	-0.0811041	0.0540906	0.7365420	0.8223089	no hit	no hit
SND1	-0.3123217	-0.4387089	0.7411713	0.6431635	no hit	no hit
RAB7A	0.0957545	0.2065882	0.7432851	0.4822033	no hit	no hit
AHNAK	0.1050165	0.0956885	0.7474240	0.7691359	no hit	no hit
GYS1	-0.1905551	-0.6397497	0.7494363	0.2904905	no hit	no hit
TFRC	-0.1011998	0.0034287	0.7522457	0.9914545	no hit	no hit
NAGLU	0.0951769	-0.0308454	0.7526414	0.9185460	no hit	no hit
ATP6V1A	0.0742893	-0.0399806	0.7530904	0.8654360	no hit	no hit
ATP2C1	-0.0894692	-0.1061876	0.7535843	0.7096200	no hit	no hit
DDR2	-0.0790369	-0.1574708	0.7537581	0.5336436	no hit	no hit
RRBP1	-0.1804930	0.0653534	0.7558633	0.9102602	no hit	no hit
TMX1	-0.1233157	0.0220703	0.7594880	0.9562475	no hit	no hit
PROCR	0.1166713	0.3599981	0.7595767	0.3502955	no hit	no hit
SLC38A1	-0.1333432	-0.3693581	0.7596577	0.4008171	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
EIF3I	-0.1215991	-0.9098980	0.7605745	0.0324603	no hit	no hit
PSMB5	-0.0850333	-0.1225236	0.7613040	0.6620449	no hit	no hit
PSAP	-0.1355137	-0.0082476	0.7637644	0.9853880	no hit	no hit
PTBP1	-0.1697549	-0.6011508	0.7646098	0.2957882	no hit	no hit
MYH9	0.1865761	0.2804252	0.7655799	0.6545573	no hit	no hit
DNAJA1	-0.2204496	-0.5552552	0.7661762	0.4567880	no hit	no hit
EPRS	-0.1125805	-0.1252850	0.7684147	0.7432274	no hit	no hit
BANF1	-0.0760968	-0.4917480	0.7708271	0.0718836	no hit	no hit
PKM	-0.1189707	0.1021601	0.7719871	0.8034319	no hit	no hit
CD97	0.1270715	-0.0022931	0.7727485	0.9958372	no hit	no hit
TPP1	-0.1131493	0.1202320	0.7737645	0.7600598	no hit	no hit
FAM49B	0.1053502	-0.0407488	0.7764432	0.9124582	no hit	no hit
CPA4	0.1315341	0.3069382	0.7779513	0.5125877	no hit	no hit
AIMP1	0.0843026	0.2273129	0.7852047	0.4652897	no hit	no hit
TOMM40	0.1558069	0.3128903	0.7962343	0.6050823	no hit	no hit
ATP5L	0.1392492	0.5384218	0.7968649	0.3257173	no hit	no hit
YARS	0.0936667	0.0917299	0.7984965	0.8025687	no hit	no hit
HEXA	-0.1304777	0.0904322	0.7994882	0.8601895	no hit	no hit
LRP1	-0.0884887	-0.1882392	0.8024890	0.5957946	no hit	no hit
PSMA6	-0.0790482	-0.1002187	0.8025318	0.7513365	no hit	no hit
HFE	-0.0633784	-0.1349335	0.8126730	0.6148657	no hit	no hit
CSRP1	-0.1441540	0.3807524	0.8143225	0.5369149	no hit	no hit
ARL8B	-0.0789700	-0.1170163	0.8170548	0.7319887	no hit	no hit
SRP9	-0.0628013	-0.2270302	0.8244172	0.4263129	no hit	no hit
PDLIM1	0.0628402	0.3823953	0.8247736	0.1882691	no hit	no hit
SLC39A14	0.0772715	-0.1539015	0.8265446	0.6631376	no hit	no hit
PDCD4	-0.1259747	-0.4801519	0.8317181	0.4218920	no hit	no hit
PPT1	-0.0854106	0.0349463	0.8379196	0.9332663	no hit	no hit
CDC2 CDK1	-0.1187053	-0.3084831	0.8424946	0.6067294	no hit	no hit
CTSD	-0.0898063	-0.1605212	0.8463845	0.7294295	no hit	no hit
GBA	0.0825128	0.2852768	0.8464854	0.5056893	no hit	no hit
NSF	-0.1223320	-0.1084306	0.8513473	0.8680612	no hit	no hit
SLC7A1	-0.0636021	-0.3317820	0.8565324	0.3512966	no hit	no hit
VLDLR	-0.0737174	-0.3844171	0.8565649	0.3515650	no hit	no hit
PRPF19	0.0708285	0.1949323	0.8592001	0.6263926	no hit	no hit
ZDHHC20	0.0430560	-0.1573023	0.8599042	0.5212706	no hit	no hit
DHX9	-0.1075302	0.2282740	0.8607339	0.7099837	no hit	no hit
GALNT2	0.0812879	0.0380946	0.8675514	0.9376862	no hit	no hit
PPA2	0.0608126	0.2148074	0.8682336	0.5595905	no hit	no hit
RAB5C	0.0517004	0.1389822	0.8700332	0.6607945	no hit	no hit
KPNA2	0.0419851	0.0983180	0.8709110	0.7040141	no hit	no hit
SLC16A3	-0.0699334	-0.4148181	0.8714253	0.3429709	no hit	no hit
ACP2	0.0928626	0.3662572	0.8763927	0.5415403	no hit	no hit
HIST1H4A	-0.1222180	0.2442689	0.8797828	0.7626573	no hit	no hit
YIF1B	-0.0600393	-0.2527999	0.8836737	0.5398689	no hit	no hit
PRKDC	0.0878348	0.0620125	0.8876082	0.9205066	no hit	no hit
KHSRP	-0.0261144	-0.2753133	0.8918171	0.1629189	no hit	no hit
IARS	0.0727343	0.2864244	0.8929414	0.5974649	no hit	no hit
SLC3A2	0.0435545	-0.0473317	0.9004529	0.8918751	no hit	no hit
HNRNPU	0.0680859	0.2218324	0.9049979	0.6979303	no hit	no hit
ILF2	-0.0524385	-0.1386280	0.9057428	0.7545349	no hit	no hit
SEC22B	-0.0333094	-0.0596189	0.9063033	0.8332149	no hit	no hit

gene_name	logFC_PA	logFC_PE	pvalue_PA	pvalue_PE	hit_annotation_PA	hit_annotation_PE
CLIC1	-0.0262637	-0.4724710	0.9088678	0.0510675	no hit	no hit
CPD	-0.0400661	-0.2129421	0.9107310	0.5531499	no hit	no hit
DDX5	-0.0598607	0.3519765	0.9112142	0.5144844	no hit	no hit
NPC1	0.0517273	0.2383349	0.9151675	0.6246705	no hit	no hit
GLB1	0.0356149	0.2081011	0.9373261	0.6468527	no hit	no hit
SERINC1	0.0357022	0.1605051	0.9426638	0.7467786	no hit	no hit
PRSS56	-0.0237832	-0.1718653	0.9443177	0.6149892	no hit	no hit
COTL1	-0.0221659	-0.2204299	0.9488216	0.5255920	no hit	no hit
SRP14	-0.0416633	-0.0499319	0.9502728	0.9404222	no hit	no hit
NAPG	-0.0155178	-0.3614983	0.9519423	0.1714763	no hit	no hit
RAB4A	0.0141311	-0.1636162	0.9522990	0.4914075	no hit	no hit
ERP44	0.0170711	-0.0037553	0.9549588	0.9900864	no hit	no hit
IL6ST	0.0147408	-0.0802392	0.9589332	0.7794830	no hit	no hit
LAMP1	-0.0208422	0.2776255	0.9605424	0.5124250	no hit	no hit
EIF3J	-0.0234196	-0.5000801	0.9611731	0.3056907	no hit	no hit
HSP90AA1	-0.0190077	-0.1032756	0.9632116	0.8022820	no hit	no hit
SRP72	0.0201781	0.0322529	0.9688414	0.9502171	no hit	no hit
FSCN1	0.0184615	0.2082420	0.9713632	0.6862032	no hit	no hit
PRDX4	-0.0146193	0.4215892	0.9714058	0.3083293	no hit	no hit
STK26	-0.0033419	0.0810178	0.9840069	0.6281173	no hit	no hit
CD63	0.0088463	0.2716092	0.9888679	0.6691684	no hit	no hit
SPTAN1	0.0098815	0.5237709	0.9892468	0.4781006	no hit	no hit
LMAN1	-0.0089397	-0.0809709	0.9903722	0.9129827	no hit	no hit
DDX17	0.0016574	-0.1396869	0.9962328	0.6913271	no hit	no hit
GAPDH	0.0024854	-0.0249406	0.9968991	0.9688910	no hit	no hit
RRAS	0.0003442	0.3152153	0.9991908	0.3586577	no hit	no hit
HNRNPF	-0.0001318	-0.4538482	0.9998786	0.6018054	no hit	no hit